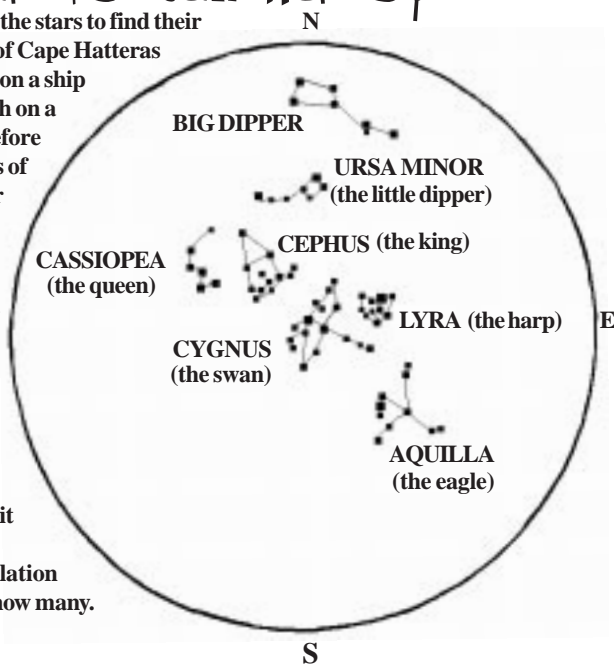




Kids' Page

...and a star to sail her by

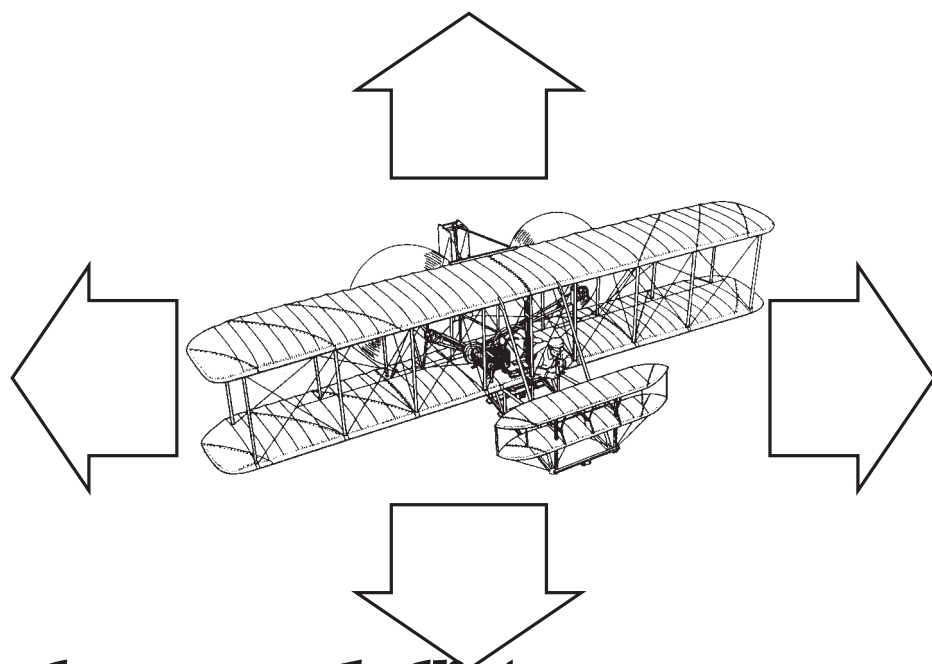
Before lighthouses sailors used the stars to find their way at sea. Visiting the islands of Cape Hatteras National Seashore is like being on a ship at sea. Standing on a dark beach on a clear night, the sky stretched before you will sparkle with thousands of stars. Some will appear brighter than others. Some will seem to be in clusters or groups. These are the constellations. You can learn to recognize the constellations. It's easy. Take a flashlight and a jacket and go out to the beach after dark. Use the drawings on this page and try to find just one constellation. Once you have found the first one you can use it to find others. You can look for a new constellation each night and soon you will know many.



Park Ranger Word Search

Park Rangers know a lot and do many different jobs. Find and circle some of these things in the puzzle below. Remember, words can be found going up, down, backwards, across, or diagonally.

ENDANGERED SPECIES	M	N	Z	C	D	F	I	R	S	T	A	I	D	R	G	Y	O
HELPFUL	R	A	Z	M	E	I	O	W	H	G	A	T	E	N	H	U	Q
PROTECT RESOURCES	E	N	D	A	N	G	E	R	E	D	S	P	E	C	I	E	S
SEARCH AND RESCUE	S	C	C	T	U	H	M	I	L	E	A	R	N	B	S	A	Z
TEACH	E	D	H	H	X	T	T	P	K	K	L	M	N	T	J	W	
FIGHT FIRES	A	B	V	C	Y	F	D	E	F	T	E	A	C	H	O	S	L
HISTORY	R	E	A	D	V	I	U	P	U	F	R	E	A	Q	R	I	P
MATH	C	V	B	N	M	R	I	U	L	K	S	A	R	X	Y	I	Y
RESEARCH	H	P	R	O	T	E	C	T	R	E	S	O	U	R	C	E	S
WILDLIFE	K	J	H	G	F	S	C	I	E	N	C	E	E	H	Y	C	C
FIRST AID	S	E	A	R	C	H	A	N	D	R	E	S	C	U	E	I	M
LEARN	E	R	T	Y	W	I	L	D	L	I	F	E	C	F	P	C	A
READ																	
SCIENCE																	
WRITE																	



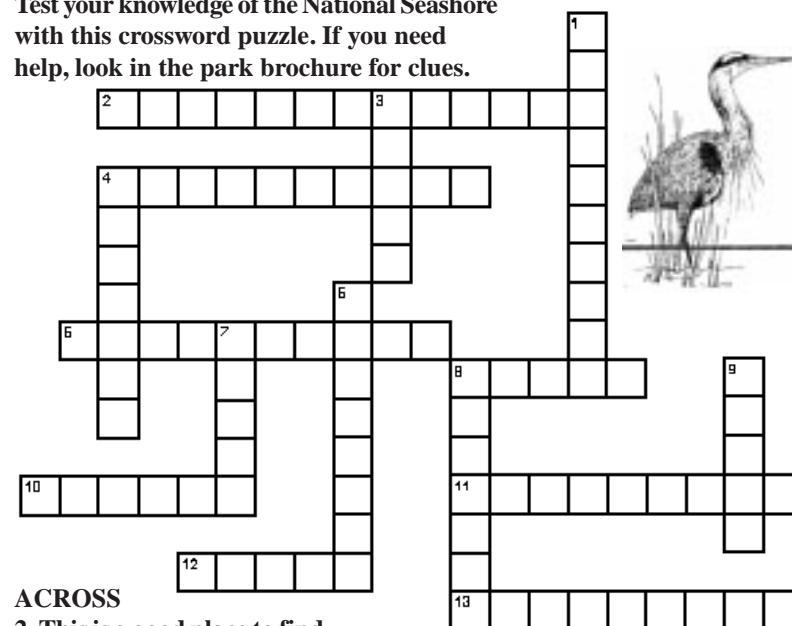
FORCES OF FLIGHT

Lift, gravity, thrust and drag are the four forces which acted upon the Wright Flyer, and all airplanes today. **Gravity** is the force that holds objects to the Earth. As an airplane wing moves forward, the air moving over the curved top of the wing travels faster than the air moving under the bottom of the wing. Less pressure above the wing causes the airplane to **lift**. Lift and gravity pull against each other.

The forward movement of an airplane is called **thrust**. It is created by the engine-driven propeller or jet engine. **Drag** is the force that wants the airplane to stay at rest rather than move forward. Drag and thrust pull against each other.

Label each arrow with proper force word.

Test your knowledge of the National Seashore with this crossword puzzle. If you need help, look in the park brochure for clues.



ACROSS

2. This is a good place to find information about the National Seashore. (two words)
4. Ocracoke Inlet was the hideout for this criminal.
6. An aid to sailors built in 1870.
8. To visit Ocracoke you have to take the...
10. These have caused many shipwrecks.
11. A dangerous summer storm.
12. Climbing on these may cause harmful erosion.
13. A "spiritual" beach dweller. (two words)

DOWN

1. A friendly helper. (two words)
3. Shorebird food.
4. A type of island that shelters the mainland.
5. These can make ocean swimming dangerous.
7. Twice daily beach visitors.
8. The Outer Banks' most popular sport.
9. A shallow body of water.

Things To Do On The Ferry

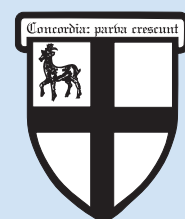
One of the things that makes the Outer Banks so special are the ferries that take us between Hatteras and Ocracoke Islands and to the North Carolina mainland. And there are all sorts of things to see and do as you travel!

People come from all over to visit the Seashore. Look at the different license plates of the cars and trucks riding with you. Write down the states that you've never seen before. You may even see ones with lighthouses on them!

Watch the birds in and around the water. You may see pelicans, cormorants, seagulls and terns, among others. How many different kinds of birds do you see? What different foods do you think they eat?

Notice the red and green markers with numbers on them that sit on poles in the water. Why do you think they are there? As the ferry travels, on which side of the ferry do you see the red markers?

Heraldry



The Coat of Arms identified family lineage in Sir Walter Raleigh's time. Symbols on the Coat of Arms represented things unique to that family.

The Citty of Raleigh Crest has the Cross of St. George and the Roebuck.

Use this shield to draw a crest that represents your family.

Use things that are special to you.

